

EXHIBIT B

Serial No. 09/026,459
Filed February 19, 1998
Attorney Docket No. 8660-025

CLAIMS PENDING UPON ENTRY OF AMENDMENTS MADE HEREIN

1. A DNA segment comprising an isolated nucleic acid, wherein said nucleic acid comprises a nucleotide sequence selected from the group consisting of SEQ ID NO:28; SEQ ID NO:30; SEQ ID NO:32; SEQ ID NO:34; SEQ ID NO:36; SEQ ID NO:38; SEQ ID NO:40; SEQ ID NO:42; SEQ ID NO:44; SEQ ID NO:46; SEQ ID NO:48; and SEQ ID NO:50.

11. A DNA segment comprising an isolated nucleic acid, said nucleic acid encoding a modified amino acid sequence of SEQ ID NO:2, wherein said modification is that amino acid 2 through amino acid 34, and amino acid 76 through amino acid 112 have been deleted.

12. A DNA segment comprising an isolated nucleic acid, said nucleic acid encoding a modified amino acid sequence of SEQ ID NO:2, wherein said modification is that amino acid 2 through amino acid 55, and amino acid 76 through amino acid 112 have been deleted.

21. A DNA segment comprising an isolated nucleic acid, which nucleic acid encodes a modified retinoblastoma tumor suppressor protein comprising a contiguous amino acid sequence selected from the group consisting of SEQ ID NO:29; SEQ ID NO:31; SEQ ID NO:33; SEQ ID NO:35; SEQ ID NO:37; SEQ ID NO:39; SEQ ID NO:41; SEQ ID NO:43; SEQ ID NO:45; SEQ ID NO:47; SEQ ID NO:49; and SEQ ID NO:51.

22. A DNA segment comprising an isolated nucleic acid, wherein said nucleic acid comprises the contiguous nucleic acid sequence from between position 7 and position 2691 of SEQ ID NO:28; from between position 7 and position 2628 of SEQ ID NO:30; from between position 7 and position 2559 of SEQ ID NO:32; from between position 7 and position 2502 of SEQ ID NO:34; from between position 7 and position 2349 of SEQ ID NO:36; from between position 7 and position 2559 of SEQ ID NO:38; from between position 7 and position 2697 of SEQ ID NO:40; from between position 7 and position 2583 of SEQ ID NO:42; from between position 7 and position 2397 of SEQ ID NO:44; from between position 7 and position 2613 of SEQ ID NO:46; from between position 7 and position 2619 of SEQ ID NO:48; or from between position 7 and position 2790 of SEQ ID NO:50.

23. The DNA segment of claim 1, 21, or 22, operationally linked under the control of a promoter.

24. A recombinant vector comprising the DNA segment of claim 23.

25. The vector of claim 24 which is an adenoviral vector.

26. A recombinant adenovirus comprising the DNA segment of claim 23.

27. The DNA segment of claim 1, 21, or 22, recombinantly transformed into a host cell.

28. The DNA segment of claim 27, wherein said host cell is a eukaryotic cell.

29. The DNA segment of claim 28, wherein said host cell is a human cell.

30. The DNA segment of claim 28, wherein said host cell is a tumor cell.

36. A recombinant host cell comprising a DNA segment of any one of claims 1, 11, 12, 21, or 22.

37. The recombinant host cell of claim 36, wherein said host cell is a tumor cell.

52. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 28.

53. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 30.

54. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 32.

55. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 34.

56. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 36.

57. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 38.

58. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 40.

59. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 42.

60. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 44.

61. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of EQ ID NO: 46.

62. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 48.

63. The DNA segment of claim 1, wherein the nucleic acid segment comprises the nucleotide sequence of SEQ ID NO: 50.

64. A composition comprising the DNA segments of any one of claims 1, 11, 12, 21, or 22 and a pharmaceutically acceptable excipient.